

TABLE 1  
BUNDLE CLASSIFICATION FOR  
3/8" MESSENGER WIRE BUNDLED WITH  
A SINGLE TYPE OF POWER OR DATA CABLE

POWER OR DATA CABLE TYPE	BUNDLE TYPE 1 (MAXIMUM NUMBER OF POWER OR DATA CABLES)	BUNDLE TYPE 2 (MAXIMUM NUMBER OF POWER OR DATA CABLES)
3 CONDUCTOR SIGNAL CABLE	5	10
5 CONDUCTOR SIGNAL CABLE	3	6
9 CONDUCTOR SIGNAL CABLE	1	3
12 CONDUCTOR SIGNAL CABLE	1	2
28 CONDUCTOR SIGNAL CABLE	0	1
#14	29	57
#12	23	47
#10	19	36
#8	10	21
#6	8	16
#4	6	11
#3	5	10
#2	4	8
#1	3	6
1/0	2	5
2/0	1	4
3/0	1	3
4/0	1	3
SIC (6-Conductor)	6	12
SIC (12-Conductor)	3	5
DLC	8	16
F048	4	8
F072	3	6
F096	1	5
F0144	1	3

EXAMPLE 1: SUPPORTED CABLES 8-#8, 2-#10

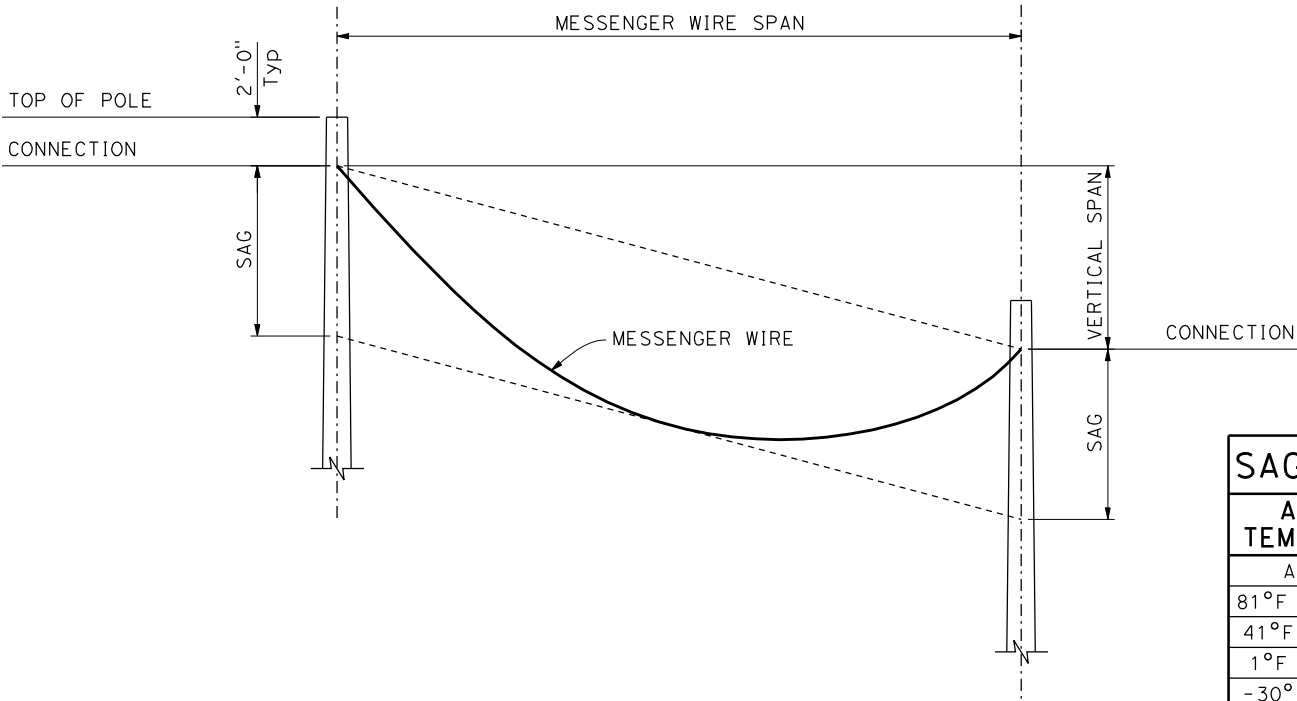
CABLE	NUMBER	MAXIMUM FOR TYPE 1	PERCENTAGE (TYPE 1)	MAXIMUM FOR TYPE 2	PERCENTAGE (TYPE 2)
#8	8	10	80%	21	38%
#10	2	19	11%	36	6%
Totals (100% Max)			91%		44%

This is Type 1

EXAMPLE 2: SUPPORTED CABLES 6-#8,  
2-#10, 3-5 CONDUCTOR SIGNAL CABLE, 2-DLC

CABLE	NUMBER	MAXIMUM FOR TYPE 1	PERCENTAGE (TYPE 1)	MAXIMUM FOR TYPE 2	PERCENTAGE (TYPE 2)
#8	6	10	60%	21	29%
#10	2	19	11%	36	6%
5CSC	3	3	100%	6	50%
DLC	2	8	25%	16	13%
Totals (100% Max)			196%		98%

This is Type 2



REQUIRED SAG  
NO SCALE

SAG REQUIREMENTS

AMBIENT TEMPERATURE	SAG
ABOVE 121°F	5.2% ± 0.2%
81°F THROUGH 120°F	5.1% ± 0.2%
41°F THROUGH 80°F	5.0% ± 0.2%
1°F THROUGH 40°F	4.9% ± 0.2%
-30°F THROUGH 0°F	4.8% ± 0.2%

EXAMPLE 3: SUPPORTED CABLES 12#6, 4-#8, 1F048

CABLE	NUMBER	MAXIMUM FOR TYPE 1	PERCENTAGE (TYPE 1)	MAXIMUM FOR TYPE 2	PERCENTAGE (TYPE 2)
#6	12	8	150%	16	75%
#8	4	10	40%	21	19%
F048	1	4	25%	8	13%
Totals (100% Max)			215%		107%

This is not covered by Type 1 or Type 2

NOTES:

- Total weight of Bundle Type 1 not to exceed 1.9 lb/ft. Maximum cross section dimension of Bundle not to exceed 1.5"
- Total weight of Bundle Type 2 not to exceed 3.0 lb/ft. Maximum cross section dimension of Bundle not to exceed 2"
- Maximum vertical span is 10% of messenger wire span.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
X	X	X	X	X	X
REGISTERED CIVIL ENGINEER			X DATE		
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

REGISTERED PROFESSIONAL ENGINEER

No. X

Exp. X

CIVIL

STATE OF CALIFORNIA

STANDARD DRAWING		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. X	TEMPORARY WOOD POLE DETAILS NO. 1				
FILE NO. xs18-080-1	APPROVAL DATE December 2011			POST MILE X					
DS OSD 2147A (ENGLISH STANDARD DRAWING "XS" BORDER REV. (02-02-11))				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: X PROJECT NUMBER & PHASE: X	CONTRACT NO.: X	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES 11/17/11

DATE PLOTTED => \$DATE

USERNAME => \$USER

TIME PLOTTED => \$TIME

FILE => \$REQUEST